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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/942,101	08/30/2001	Yoshiki Nishibayashi	50212-270	6906
20277 75	590 12/11/2003		EXAMINER	
MCDERMOTT WILL & EMERY			WILLIAMS, JOSEPH L	
600 13TH STR WASHINGTO	EE1, N.W. N. DC 20005-3096		ART UNIT	PAPER NUMBER
,			2879	
			DATE MAILED: 12/11/2003	DATE MAILED: 12/11/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

	L A II					
	Application No.	Applicant(s)				
Office Action Summary	09/942,101	NISHIBAYASHI ET AL.				
Onice Action Summary	Examiner	Art Unit				
The MAU INC DATE of this communication com	Joseph L. Williams	2879				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Peri d for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.1: after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONEI	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
1) Responsive to communication(s) filed on <u>03 Section</u>	eptember 2003.					
2a)⊠ This action is FINAL . 2b)☐ This	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
 4) Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) 1-4 and 7 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 5,6 and 8-10 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 						
Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Pri rity under 35 U.S.C. §§ 119 and 120 12)						
a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domestic since a specific reference was included in the firs 37 CFR 1.78. a) The translation of the foreign language pro 14) Acknowledgment is made of a claim for domestic reference was included in the first sentence of the	s have been received. s have been received in Application ity documents have been received i (PCT Rule 17.2(a)). of the certified copies not received c priority under 35 U.S.C. § 119(ext sentence of the specification or visional application has been received c priority under 35 U.S.C. §§ 120	on No ed in this National Stage ed. e) (to a provisional application) in an Application Data Sheet. eived. and/or 121 since a specific				
Attachment(s)						
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 		(PTO-413) Paper No(s) atent Application (PTO-152)				

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DETAILED ACTION

The Amendment filed on 03 September 2003 has been entered.

Claim Objections

1. Claims 5, 6, and 8-10 are objected to because of the following informalities: Regarding claims 5, 6, and 8-10, the claims are dependent upon claims 1 or 7, which have been withdrawn. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 5, 6, and 8-10 are rejected under 35 U.S.C. 102(b) as being anticipated by Jones (US 5,869,169).

Regarding claim 5, Jones ('169) teaches in figures 2 and 3 and in column 4, lines 21-30 an electronic device (50) comprising: an electron-emitting element (20) and an electron extraction electrode (anode plate 64) placed to oppose the sharp-pointed portion (29), with a voltage (not shown) being applied between the electron extraction electrode and the electron-emitting element, wherein the electron emitting portion has a polygonal cross section and a further intermediate portion (27) located between the base portion (25) and the sharp pointed portion.

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The Examiner notes that the claim limitations of how the electron-emitting elements are formed, is drawn to a process of manufacturing, which is incidental to the claimed apparatus. It is well established that a claimed apparatus cannot be distinguished over the prior ad by a process limitation. Consequently, absent a showing of an unobvious difference between the claimed product and the prior art, the subject product-by-process claim limitation is not afforded patentable weight (see MPEP 2113).

Regarding claim 6, Jones ('169) teaches a metal gate (52) formed around the base portion of the electron-emitting element, and a power supply (not shown) for applying a voltage to the gate electrode.

Regarding claim 8, Jones ('169) teaches an electronic device (50) comprising: an electron-emitting element (20) and an electron extraction electrode (anode plate (64)) placed to oppose the sharp-pointed portion (29), with a voltage (not shown) being applied between the electron extraction electrode and the electron-emitting element, wherein the electron emitting portion has a polygonal cross section and a further intermediate portion (27) located between the base portion (25) and the sharp pointed portion.

The Examiner notes that the claim limitations of how the electron-emitting elements are formed, is drawn to a process of manufacturing, which is incidental to the claimed apparatus. It is well established that a claimed apparatus cannot be distinguished over the prior art by a process limitation. Consequently, absent a showing

of an unobvious difference between the claimed product and the prior art, the subject product-by-process claim limitation is not afforded patentable weight (see MPEP 2113).

Regarding claims 9 and 10, figure 2 discloses the base portion (25) is in the shape of a pyramid, and the intermediate portion (27) is in the shape of a prism.

Response to Arguments

3. Applicant's arguments with respect to claims 5, 6, and 8-10 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later

than SIX MONTHS from the date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joseph L. Williams whose telephone number is (703) 305-1670. The examiner can normally be reached on M-F (6:30 AM-3:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (703) 305-4794. The fax phone number for the organization where this application or proceeding is assigned is (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Isav JLW